

**Minutes for
SNUMI Working Group Meeting
Tuesday, November 28, 2006
11:00 AM in the Comitium**

Attendees: Steve Holmes, Roger Dixon, Bruce Baller, Ed Temple, Dean Hoffer, Nancy Grossman, Elaine McCluskey

ACTION ITEMS FROM THIS MEETING:

- SH to continue to discuss SNUMI Project strategy with DOE
- SH to create generic agenda for combined PP/PP2 PMG and ensure NG & EM are invited to next meeting in January
- BB to determine available FY07 funding for PP2 and communicate to NG
- PP2 management to determine scope reductions, working toward \$17M. Out of this will come funding profile by January
- PP2 management will present SNUMI alternatives review in next few months to WGM
- DH to schedule next WGM

MINUTES:

- 1) What did we hear from the Director's Review (per SH)?
 - a) For 700kW: is doable, could baseline cost/schedule in a few months
 - b) For >1MW: not ready for prime time yet. According to reviewers, concept is not demonstrably viable, with question of stability of debunched beams in the Accumulator. Quite expensive. Are there other ways to accomplish upgrade?
- 2) Moving toward a baseline
 - a) Scope definition (including some reductions)
 - i) Goal is \$17M unburdened in FY06\$, from DOE guidance. Therefore, need to reduce \$3.3M.
 - ii) Discussed removing spares from PP2 – ok by Directorate, acknowledged needs to be somewhere, as spares are necessary to NuMI operations even without PP2.
 - iii) Other reductions possible as shown in NG talk. Concurrence that work cell and radioactive component handling should remain in PP2. SH suggested looking at relaxing kicker specs (80 vs 82 bunches from Booster). Reminded that Q120 magnets will be reused, not fabricated, which should also help reduce costs.
 - b) Funding profile
 - i) Have ready by January, including by flavor of money (GPP, Operating, R&D)

- ii) FY07\$ coming from PP1 contingency – maybe \$1M only – more at Friday budget meeting with BB, RD.
- c) Staffing plan
 - i) Main concerns in AD ME, AD Mech Tech, AD Designer/Drafter, TD Mech Tech
- d) Baseline review: if/when
 - i) Concurred that spring (sometime March to May) to baseline with another Director's Review is feasible. Take guidance from PP1 baseline review for documentation required.
- 3) Initiating a PMG
 - a) When? Start in January, continue WGM on alternate biweekly schedule.
 - b) Relationship to Proton Plan PMG - PP2 PMG as second half of Proton Plan PMG, which is 4th Thursday of month @ 1 p.m. SH to draft generic agenda for this.
- 4) Phase II strategy
 - a) Packaging
 - i) Discussed who has input to DOE on this – P5? PAC? SH to discuss with DOE at next teleconference.
 - ii) Needs to be a project, probably line item. Not easily managed as more than one project.
 - iii) For CD0, need to help justify with more fully developed conceptual design, and review of alternates.
 - b) People and timeline
 - i) Need additional people to work on SNuMI concepts – can't be all PP2 people.
 - ii) Dave McGinnis has agreed with NG to help review alternates. NG showed others suggested for conceptual SNuMI team, which is still forming, will be lead by Ionais.
 - iii) Timeline would be CD0 this summer, baseline review Jan 08, receive funding FY10.

A Couple Other Questions:

1. Tritium Mitigation: is this expected to be part of PP2, as NOvA collaboration presentations hinted? SH said no, but acknowledged this is nowhere, but should be in AD operating budget.
2. MI-65 Expansion: SH said should not be in PP2 budget, although need recognized. SH asked that this be in AD budget presentation.

NEXT WGM MEETING TO BE BEFORE END OF DECEMBER.

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